

ABSTRACT

A system to form, fill and seal (FFS) flexible bags including the steps of: a total printing of the film as it winds off the supply reel; a dry cleaning; a gimballed aligning for the folding of the printed and washed film; a hot-bar welding of the folded film; a valve welding controlled by an algorithm; a humidification treatment of the valve cavity; a shaping of the bags by hot tools also controlled by an algorithm; and a high precision dosage of the filling liquid.